

ER-2 #806 04/06/16

Aircraft: [ER-2 - AFRC #806](#) ([See full schedule](#))

Flight Number: 16-6007

Payload Configuration: HSRL-2

Nav Data Collected: Yes

Total Flight Time: 4 hours

Comments: This was the first in a series of flights for the HSRL-2 instrument in preparation for ORACLES. Flew four hours to do a checkout of the modified instrument. Initially, the instrument temperature at altitude indicated the cooling system was not working correctly, so a call was made to return to base. But after the chiller power was cycled, the sensor indicated enough of a drop in temperature to run the lasers, so the flight continued as planned. Automated laser alignment routines worked really well.

Submitted by: Ken Norlin on 04/07/16

Flight Segments:

From:	PMD	To:	PMD
Start:	04/06/16 17:07 Z	Finish:	04/06/16 21:08 Z
Flight Time:	4 hours		
Log Number:	162027	PI:	Chris Hostetler
Funding Source:	Charles Trepte - NASA - SMD - ESD CALIPSO Project Scientist		
Purpose of Flight:	Check		

Flight Hour Summary:

	122002	132005	142015	152026	162027
Flight Hours Approved in SOFRS		12.9		25.1	
Flight Hours Previously Approved			12.9	12.9	6.6
Total Used	0	0	0	31.4	6.6
Total Remaining					0

162027 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
04/06/16	16-6007	Check	4	4	2.6	
04/08/16	16-6008	Science	2.6	6.6	-0	

152026 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/10/14	15-9007	Check	2.1	2.1	35.9	
11/12/14	15-9008	Check	2.5	4.6	33.4	
11/14/14	15-9009	Check	2.5	7.1	30.9	
05/01/15	15-6027	Check	2.6	9.7	28.3	
05/06/15	15-6028	Check	4	13.7	24.3	
05/13/15	15-6029	Check	4.1	17.8	20.2	
05/18/15	15-6030	Check	3.8	21.6	16.4	
05/19/15	15-6031	Check	3.8	25.4	12.6	
05/20/15	15-6032	Check	6	31.4	6.6	

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Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.